



TRIPTOLEMOS  
FOUNDATION

# NEWS

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Tryptolemos Foundation is a private entity that promotes the sustainable development of **Food Systems** that it defines in 4 axes or interrelated macro areas: economy; policies and regulations; availability and accessibility; and knowledge, behaviour and culture. And in the conviction that there can be no sustainable and socially balanced development, if a balance is not maintained between all of them. The objective is to contribute with its actions to adequate and sustainable food for the entire population and at affordable prices, in which citizens can trust, and to the dignification of the sector, in accordance with knowledge, proven science and technology. The motor of the system is related responsible business activity, of all types and sizes. It is open to any new addition who shares its goals.

- **Tryptolemos Foundation opens the 34th IFAMA International Conference 2024**



The 34th annual IFAMA World Conference was held in Almeria (Spain). Almeria is a city on the shores of the Mediterranean Sea and open to trade since its foundation in the 10th century by the Arabs, who introduced irrigation technologies. The International School of Agri Management (ISAM), represented by the president German Fernández, was the host and the organising partner and, together with the Tryptolemos Foundation, a member of the IFAMA Board of Directors, opened the event,

which was attended by **more than 400 participants** in person, including academics, students and professionals from the agri-food sector **from more than 50 countries** who shared knowledge about the present and future of world agriculture. Almeria has 32,200 hectares of greenhouse and produces around 3,700 million kilos of vegetables and is a world leader in organic farming techniques.

The director explained that the Tryptolemos Foundation proposes to face the food challenges of the 21st century from a global food system approach that defines 4 interrelated axes, considering all its variables and not only the economic and environmental ones. The 4 axes must be in balance based on science, innovation, talent, responsible business activity and responsible consumption, and only in this way can we achieve sustainable and socially balanced development with a minimum guarantee. The 34th IFAMA world conference on Food Security through Innovation and Sustainability, has piloted in the perspective of a sustainable global food



system defined in the 4 axes, and has addressed highly topical issues (Production and transformation, technology, talent, leadership, human capital, innovation, artificial intelligence, sustainability, consumers, small farmers, regenerative agriculture...) by the hand of renowned world experts. IFAMA acts as a catalyst and hub for the exchange of ideas and talent. It is an ideal setting to raise this debate, reinforced by being a global networked organization, which acts as a **bridge between the agricultural industry, researchers, educators, government , consumer groups and non-governmental organizations.**

Yvonne Colomer added that those of us who are involved in the food system from its multiple areas



**must all row in the same direction to face the great challenges from a system approach.** To ensure that the globalized food system functions sustainably, it is essential to reach consensus on the interests of all the people and institutions involved and to keep in mind that our goal is to feed a growing urban population with sufficient, healthy, adequate, sustainable and affordable food.

### The 34th IFAMA World Conference is organized in various activities



This event is divided into three axes, an academic symposium, the case competition with students from different countries around the world and the business forum, which allows attendees to have a global vision of how **scientific research** complements **agribusiness**. The Municipal Theater of El Ejido on the 17th and 18th hosted the Academic Symposium, and the Maestro Padilla Auditorium in Almería hosted the Business Forum, on the 19th and 20th. The event held the 19th Student Case Contest in which **26 teams**

**from Agribusiness Schools** from Spain, the United States, Argentina, Italy, South Africa, China, Costa Rica, Mexico, New Zealand, Brazil and Honduras competed for the award in three categories: Students, Graduates and Young Professionals. The theme of the competition focused on 'Transforming the global food and fibre system: global innovation for a resilient, nature-friendly and food-secure future'.

As a novelty, this year the **2024 International Women in Agribusiness Award** was also presented, with the aim of recognizing and celebrating the exceptional contributions of women who have demonstrated outstanding dedication and leadership in advancing the food and agribusiness sector.



The recognition went to Everlyn Musyoka, a citizen of Kenya. The jury recognized Everlyn's contribution as an exemplary leader who has made significant contributions to the food and agribusiness sector, not only in her community but also across Africa, demonstrating exceptional dedication and innovation and as an example to millions of smallholder women farmers who dream of improving their livelihoods and becoming leaders in their communities.

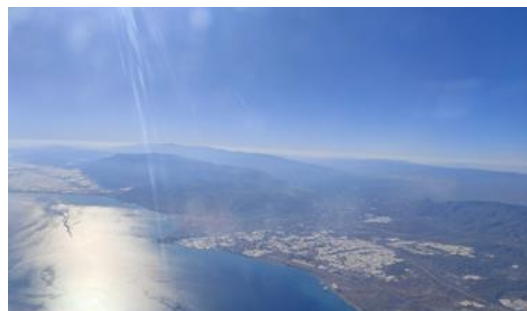
## The Triptolemos Foundation has participated in the round table Sustainable models for smallholder agriculture



There are more than 550 million smallholder farmers worldwide, producing more than 50% of the total food consumed in low- and middle-income countries. **Smallholders are an essential part of the sustainable global food system**, but they need affordable access to innovative products, systems and services to sustainably increase their productivity, incomes and resilience to climate change.

Triptolemos Foundation has participated in the round table on sustainable models for small-scale

agriculture, analysing the role of small-scale producers in the **Global Food System from a European perspective**. In her speech, the director referred to the fact that "the EU is a world reference in sustainable production, processing and consumption, but it is not self-sufficient from the point of view of food energy". The causes of climate change and biodiversity loss are global in nature and are not limited by national borders. Without going any further, Europe imports practically all the soybeans consumed there, as well as significant quantities of meat and other essential agricultural products. The deficit in agricultural production could increase the need to import food from third countries, which may or may not be guided by the same principles determined by the EU in its Green Deal, **"new sustainable policies could carry the risk of unsustainable consequences"**. Sustainability has to be competitive from a system approach.



A unilateral option for the European Union implies a loss of competitiveness for the latter and a moderate impact on global food security. Conversely, a global option can have significant impacts on global food security. One proposal could be to develop a collaboration programme with smallholders from outside the EU considering and adapting to the great geographical, climatic and political variability. From a global food system approach, promoting

rapprochement and meetings at different levels and between different countries would be positive. The director of the Triptolemos Foundation, Yvonne Colomer, has concluded that **all those involved in the global food system from its multiple areas, must row in the same direction** to face the great challenges. The European Green Deal proposes a series of lines of action that should make the EU a climate-neutral area by 2050, but **the EU cannot act alone**.



The panel, moderated by Melissa Es-Sayed, Global Smallholder Farming Processes Support at Bayer, included Beatriz Arrieta, Regional Manager of Bayer's Food Value Chain in Latin America (Colombia); Sheila Keino, Vice President of the Development Corporation of the African Fertilizer and Agribusiness Association (Malawi); Harmanpreet Singh, Regional Association of Smallholder Farmers Leader for Bayer's Asia Pacific Region (Singapore); Yvonne Colomer, Executive Director of Triptolemos Foundation (Spain) and Venkata Kishore, Global Director of Veg Seeds Smallholders & Sustainability as keynote speaker (India).

- **Does the EU have enough food to feed its population in the current context of production and consumption?**



To answer the question and for the first time, the Triptolemos Foundation has carried out a study on the approach to food self-sufficiency in the EU from a **dietary energy balance (in kcal) based on food production and demand**. This question may not have made sense a few years ago, but it is entirely pertinent now. The food energy consumed by the population is produced from photosynthesis, either directly (agriculture) or indirectly (energy that comes

from cattle grazing, deep-sea fishing, honey, mushrooms, algae...). The study considers the EU as a closed system. The study has considered food waste (30%), extra consumption (20%), allocation to collateral uses (25%), initially available photosynthetic energy that is used for intermediate conversion into human food (such as meat from intensive livestock farming, fish from aquaculture, dairy products, eggs, etc.) 60% of which 10% is recovered.

**The results show an alarming deficit of food kcal in the European Union, the EU is vulnerable.** This has implications for how we should produce or how we should consume. The deficit in agricultural production could increase the need to import food from third countries, which may or may not be guided by the same principles determined by the EU in its Green Deal, namely that "new sustainable policies carry the risk of unsustainable imports" and some exports could even be questioned. At the crossroads of climate change and the Green Deal, the decisions we take today on the ways forward in support of food production, processing and consumption in the EU will hugely determine the sustainability, food security and corporate profitability of our continent in the future. The article ["European Union in the Context of the Current Model of Production and Consumption: Food Self-Sufficiency from a Photosynthetic Energy Perspective"](#) has been published in the American Journal of Agriculture and Forestry.



- **"Ultra-Processed Foods, Need for a Rigorous Definition".**

The term Ultra-processed is surrounded by controversy and confusion. In order to highlight the **need to have a clear, precise and rigorous definition** of the concept of ultra-processed food, based on proven science and process technology and not based on economic or emotional criteria, and thus improve citizens' confidence in the food system, the document **"Ultra-Processed Foods, need for a rigorous definition"**, which has had the participation of a team of 23 researchers who in



turn have written the **"Update of the Report on the classification of ultra-processed foods"**. Within the framework of the Alimentaria FOODTECH BCN trade fair, Triptolemos Foundation offered the round table **"Ultra-processed foods: a confusion for the citizen"**, and a broad debate was opened around the **confusing definition of ultra-processed foods** and how this affects the credibility of companies, the veracity of information and the trust of the citizen. It is also important to note that, to date, there are no regulations or legal provisions regarding ultra-processed foods. Thus, this initiative can be disseminated to all people, departments or institutions related to the subject.

- **Meeting at the Ministry of Agriculture, Fisheries and Food of Spain for the preparation of the National Food Strategy**



The Triptolemos Foundation was convened by the General Secretariat of Food and Food Security of the Ministry of Agriculture, Fisheries and Food of the Government of Spain on the occasion of the preparation of the **National Food Strategy** on which it is working. Triptolemos Foundation, as an important agent in the Food System, has been invited to participate in the national food strategy. It will present the initiatives that are being developed in the field of sustainable food systems (such as university education), in the field of innovation and technology, as well as other initiatives of the members of the Foundation that may be of interest to take into account in the preparation of the National Strategy. The Triptolemos Foundation has an international projection and has among its members different representatives of the food system, including 26 universities, the Spanish National Research Council, companies, consumers and food banks.

- **Celebration of the 10th Anniversary of the UNESCO Chair UNED-TRIPTOLEMOS**



In 2024, the UNESCO Chair UNED TRIPTOLEMOS on Science and Innovation for Sustainable Development: Global Food Production and Food Safety celebrates 10 years since its creation. Among the activities commemorating the anniversary, two summer courses have been organized at the UNED headquarters in Plasencia (Extremadura) and Menorca (Balearic Islands).

The [course](#) held in Plasencia (Extremadura) *Towards food sustainability. Ten years of the UNESCO UNED-TRIPTOLEMOS Chair* (June 2024) has focused on **an interdisciplinary approach** and gives voice to different disciplines from the fields of Social Anthropology, Chemistry, Health and Agronomy in order to convey the idea that the implications for food sustainability are many.

The [course](#) "Sustainability and food systems" 10 years of the UNESCO UNED-TRIPTOLEMOS chair and 30 years of Menorca Biosphere Reserve (July 2024), has a **multidisciplinary approach** will discuss the relationship between Biosphere Reserves as territories, whose objective is to harmonize the conservation of biological and cultural diversity, and economic and social development through the relationship of people with nature. The setting chosen for this debate is the wonderful and unique island of Menorca (Spain), which offers interesting examples of study. The importance of the food system in this environment will be analysed.



- **Triptolemos Foundation participates in the celebration of National Nutrition Day**



On the occasion of National Nutrition Day (DNN), the Spanish Federation of Nutrition, Food and Dietetic Societies (FESNAD) has organized at the Ministry of Agriculture, Fisheries and Food of Spain (Madrid), the round table "**Sustainable food is life**", in which the urgent need to move towards a fairer food system has been highlighted. healthy and respectful of the planet. The Executive Director of the Triptolemos Foundation, Dr. Yvonne Colomer, and Co-Chair of the UNESCO

Chair in Science and Innovation for Sustainable Development: Global Food Production and Food Security, shared with the attendees the Foundation's system vision according to which "to achieve sustainable and socially balanced development, We have to solve food challenges from a system perspective. **Without sustainability we will tend towards a double food system: for the rich and for the poor.**" On the other hand, Dr. Colomer pointed out that "fake news and misinformation create confusion and condition eating behaviour, often in contradiction with proven science. We have many examples, including the paradox of "ultra-processed" foods, on the one hand, there is no legislation, nor an objective and rigorous definition, and on the other, their use is widespread in society" and to conclude he raised the question of **how much food is not wasted thanks to science and technology?**

- **Triptolemos Foundation participates in the II Smart Labelling Congress**

The **II Smart Labelling Congress** was held in the auditorium of the municipality of Hinojos (Doñana-Huelva-Spain) and brought together experts from the sector to talk about the importance of providing clear, accurate and accessible information to consumers in all areas. During the inauguration, Maria Xipsiti, head of FAO's Food and Nutrition Division, stressed that **food labelling has been recognised as one of the effective tools to protect consumer health**. Triptolemos Foundation participated as a speaker in the Round Table on 'Social Food' moderated by Gustavo Samayoa, president of FUCI and member of the Advisory Council of Naturcode. Also participating in the table were Juan Concepción, general director of



preparation, composition...). [Program](#)

Conservas Concepción; José Basilio Otero Rodríguez, president of the Fishermen's Guild of Spain. The meeting, organized by the Provincial Council of Huelva and coordinated by Naturcode, was aimed at quality brands and producers as well as local distribution SMEs, public administrations and consumer organizations. The QR Code on the labelling is an additional complement that can provide information of interest to the consumer (origin, recipes,

- **"Food Security Through Innovation and Sustainability" article published by Triptolemos Foundation in IFAMA**

Food systems have evolved differently according to their geographical and cultural environments, but with the common goal of ensuring food production. There are tools, including new technologies, science-based practices and cultural approaches, that can make the global food and agriculture sectors more resilient and sustainable. Yvonne Colomer, Executive Director of Triptolemos Foundation and member of the Board of Directors of IFAMA, reflects in this article on the theme "[Food Security through Innovation and Sustainability](#)", on the occasion of the celebration of the IFAMA 2024 World Conference in Almería (Spain) where Triptolemos Foundation has contributed its original [vision of a Sustainable](#) Global Food System which is supported by its UNESCO Chair in Science and Innovation for Sustainable Development: Global Food Production and Food Security.



- **Triptolemos Foundation gives the inaugural conference at the business conference organized by FEDACOVA**



FEDACOVA represents 30 associations that bring together more than 2200 food companies. In his presentation, he referred to the fact that Spain is a large producer and exporter country. Yvonne Colomer, Executive Director of the Triptolemos Foundation, gave the presentation "The impact of the European Green Deal from a sustainable global food system approach", organized by FEDACOVA and presented by its president Rafael Juan. The food challenges of the

21st century must be approached from an interdisciplinary vision of the system, if we want to achieve sustainable development and where the company is the driving force. **Sustainability has to be competitive based on science and technology.** Climate change and the geostrategic situation have a great influence, and he emphasised that food production has to find a balance with the sustainability of the planet, but also with people's needs to have safe food at affordable prices and that for this it is necessary that "all the representatives that make up the food system row in the same direction".

The director pointed out that **food produced in the EU has the prestige of being safe, nutritious and of quality, and now aspires to be a world benchmark in sustainability.** The director referred to the [report of the Triptolemos Foundation on the Green Deal](#) in which 30 researchers have participated. Dr. Yvonne Colomer's presentation was followed by a round table moderated by Leonor Sáiz Amorós, and composed of Marta Riesgo Suárez, Rafael Muñoz Martínez, Pedro Reig Catalá, and Cristina Vicent.



- **Triptolemos Foundation invited to the event "Innovation in Crop Science (ICS)" in Monheim (Germany)**



Triptolemos Foundation participated in the Innovation in Crop Sciences (ICS) event held at Bayer's headquarters in Monheim (Germany) as a speaker on the panel "Future horizon in agriculture - Quo vadis. During the debate, various perspectives on the future of agriculture and the importance of ensuring a constructive dialogue with all stakeholders were highlighted, and Triptolemos Foundation had the opportunity to convey its vision of a Sustainable Global

Food System structured in 4 main axes. The panel, moderated by [Rena Isemer](#), also included [Tessa Avermaete](#), [Matthias Berninger](#), [Christian Bogen](#) and [Christian Küster](#). Matthias Berninger underlined the importance of transparency, humility and fostering trust and collaboration. Tessa Avermate advised the scientists present not to make things too complicated but understandable for everyone.



- **Plenary Assembly of FAO's Global Soil Partnership**



Triptolemos Foundation, as a member of the FAO Global Soil Partnership, participated in the XII Plenary Assembly of the Global Soil Partnership held from 3 to 5 June 2024 in hybrid mode. **Soil is an essential resource** of the natural environment from which most of the food is produced, water supply, climate regulation, biodiversity conservation, carbon sequestration, among others. But **it is under pressure from rising populations, increased demand for food, and competitive land uses**. Approximately **33% of our global soils are degraded** and policymakers around the world are exploring opportunities to embrace sustainable development. In the words of Dr. Qu Dongyu, Director-General of FAO, "Soils are the mother of agriculture, the mother of life". The Plenary Assembly of the Global Soil Partnership (GSP) is the most important meeting of the association where crucial decisions are taken regarding the global soil agenda.

- **APAE Awards at Fruit Attraction**

The Association of Agri-Food Journalists of Spain (APAE), with which Triptolemos Foundation has a collaboration agreement, has announced the fourteenth edition of its journalistic awards, which has four categories: The **general category** for the best text with a theme on production (agriculture, livestock, fishing, inputs, etc.), industry, transport or food distribution; The **Fruit and Vegetable** category, for the best article with a specific theme of fruit or vegetables; The **Innovation** category, which will be eligible for articles or journalistic reports whose theme revolves around the application of new technologies in the agri-food sector; The **Agri-food Sustainability** category, to work on sustainability within the agri-food sector, from an economic, social and/or environmental point of view.

### XIV Premio APAE de periodismo agroalimentario



Patrocinan



Colabora



- **The University of Lleida and the Vall Companys Group reward students in favour of sustainable food through their Chair The largest European of... Mirajr a la web**



The first awards ceremony for Final Degree Projects of the new Vall Companys Group – UdL Chair: Sustainable Food *has been held*. The conference included the inaugural conference of Javier Sierra, Minister of Agriculture, Fisheries and Food of the United Nations and the **World Trade Organization**. The event was attended by a wide representation of personalities from the agri-food, administration and distribution sectors, as well as the rector of the University of Lleida, Jaume Puy, and the professor of Animal Health of the UdL and director of the Chair, Lorenzo Fraile. During the day, the Final Degree Projects of the finalist students were presented and the three awards were presented to the winners. **The work has focused on innovation, sustainability in the food sector and animal health**. The University of Lleida is a member of the Triptolemos Foundation.

- **The worrying deficit of food kcal produced in the EU. Production, consumption and the Green Deal. Round table organised by the Triptolemos Foundation at Alimentaria 2024**



Experts analysed the result of a pioneering study carried out by the Triptolemos Foundation on the balance of food kcal produced and food kcal consumed in the EU with current production and consumption models. At the crossroads of climate change and the Green Deal, the decisions we take today on the ways forward in support of food production, processing and consumption in the EU

will hugely determine the **sustainability, food security and corporate profitability** of our continent in the future. Small producers have an important role. The United Nations Climate Change Conference (COP28) has dedicated a day for the first time to addressing agriculture, food and their environmental impact. The overall results of this study show an alarming deficit of food kcal in the European Union. The round table, moderated by Yvonne Colomer, Executive Director of the Triptolemos Foundation, was attended by **Ramon Armengol**, Former President of European Agricultural Cooperatives - COGECA; **Joan Carles Gil**, Professor at the Universitat Politècnica de Catalunya- Barcelona Tech. Director of the Business Organization Department – Campus Nord. Secretary of the Triptolemos Foundation; **Pedro Olivares**, Veterinarian. El Pozo R+D+i Area (Fuertes Group) and **Ricard Ramon Sumoy**, Deputy Head of Unit European Commission, Directorate-General for Agriculture and Rural Development. Triptolemos Foundation is a strategic collaborator of Alimentaria, one of most important trade fairs over the world.

- **Meetings of the Agri-Food Commission of the Spanish Chamber of Commerce**

The Secretary of State for Agriculture and Food of Spain, Ms. María Begoña García Bernal together with the president of the Commission, Pedro Olivares, presented the study "[Impact of the agri-food sector on the Spanish economy](#)" prepared by the Spanish Chamber of Commerce at the initiative of the Agri-food Commission, in Madrid on March 19, 2024. The report reflects the outstanding contribution of the sector in terms of the value of production, Gross Value Added (GVA) and employment and the importance of the sector in the country's economic activity. The Triptolemos Foundation is a member of the agri-food commission of the Spanish Chambers of Commerce.

The Minister of the Environment of the Permanent Representation of Spain to the European Union (REPER), Santiago Rodríguez Uriel, analysed the [European Regulation on packaging and packaging waste](#). The conference organized on June 17, 2024 was introduced by the president of the Commission, Pedro Olivares. The presentation focused on the dysfunctions of the internal market (labelling, restrictions on marketing, modulation of EPR fees, definition of recyclable or reusable packaging) and environmental concerns (consumption of virgin materials, waste generation, low rates of reuse and recycling, compliance with the recycling targets of the directive). This is an issue of great importance for the sector.



- **At Alimentaria 2024, Triptolemos Foundation presented the 11th edition of the Science Guide for Innovation in Food Systems**

Triptolemos Foundation is a strategic collaborator of the ALIMENTARIA trade fair, one of most important trade fairs over the world. The fair is a benchmark for the food, beverage and gastronomy sector. More than 3,000 exhibiting companies from 52 countries participated in the exhibition. The Alimentaria Hub is the nerve centre of the fair. A great space for knowledge, trends, innovation and business for industry, distribution and retail. This space is home to the Triptolemos Foundation stand where the 11th edition of the Science Guide for Innovation in Food Systems was presented, which includes more than 11,000 references including projects, doctoral theses, patents and research groups, classified according to the sector and thematic area.



- **Real Colegio Complutense at Harvard University**



The Real Colegio Complutense in Harvard (RCC) is a university centre affiliated with [Harvard University](#) and aimed at promoting academic, scientific and cultural cooperation between the American university and the Spanish knowledge system. The RCC has been conceived as a joint venture to foster and promote intellectual and scientific academic exchange between Harvard University, the Complutense University and other

Spanish universities and institutions, public and private. In order to extend the possibilities of the RCC to the largest number of Spanish professors and researchers, the Complutense University has established collaboration agreements with various Spanish universities. The Complutense University of Madrid is a member of the Triptolemos Foundation.

- **International agri-food press learns about the sustainability of Spanish productions through APAE**

Spain has been chosen by the International Federation of Agricultural Journalists (IFAJ) to hold its annual meeting. With the help of the Association of Agri-Food Journalists of Spain (APAE) and for a week, **some thirty journalists from various countries** such as Canada, South Africa, Finland, the United States, Georgia, the United Kingdom, Switzerland, Austria, Slovakia, Germany, Holland, Romania, Belgium, Sweden and Norway have been able to learn about different agri-food productions in Andalusia on a press trip after the meeting. with sustainability as the axis of these visits. Throughout this week, **journalists discovered the tradition and important Spanish technology in the use of water**, as well as the **importance of sustainability** as a relevant factor when producing food. The Association of Agri-Food Journalists of Spain has a collaboration agreement with the Triptolemos Foundation.



- **Meeting of the Network of Campuses of International Excellence with food activity of the Triptolemos Foundation**

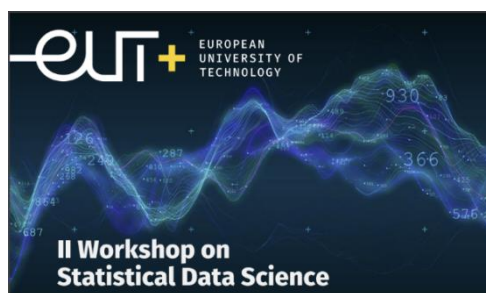


The members of the **Network of Campuses of International Excellence with Food activity (CEIs AA Network)** met at the Rectorate of the University of Córdoba to draw possible collaborative lines between these entities during a day of synergies and exchange between agri-food CEIs. The rector of the University of Cordoba, member of the Triptolemos Foundation and president of the CEIs AA Network and president of the Governing Council of the Campus of International Excellence (ceiA3),

Manuel Torralbo Rodríguez, welcomed a meeting in which the past, present and future of this network was addressed, which was attended by its director, Màrius Rubiralta and representatives of CEIA3, Campus Mare Nostrum, e-MTA, UCLM Campus, CEI· MAR, CEI BioTIC, VLC-Campus, Campus Iberus, CSIC and Campus Vida. The event was attended by the Secretary General of Universities of the Ministry of Science, Innovation and Universities, Francisco García Pascual and the Director General of Rural Development, Innovation and Agri-food Training of the Ministry of Agriculture, Fisheries and Food, Isabel Bombal Díaz, who presented the **status and lines of action of the AKIS Governance Committee**(Knowledge and Innovation System in Agriculture), the AKIS platform and future programs of the Ministry for Agri-Food Transfer, Innovation and Training. In addition, the meeting has led to different **'flash' presentations by the participating CEIs** to bring together the potential, strategic lines and role in their region, as well as to address the dialogue for the reactivation of the Campus of Excellence programme and the registration of CEIS. The creation of the Network of Campuses of agri-food excellence was promoted in 2013 by the Triptolemos Foundation.



- **The Polytechnic University of Cartagena hosts the II Workshop on Statistical Data Science of the European University of Technology**



15 EUT+ data scientists from Spain, Ireland, Italy and Germany gathered at the Polytechnic University of Cartagena for the second workshop on 'Statistical Data Science'. The two-day meeting, organized by Alberto Gila and Marcos Egea Gutiérrez-Cortines (both UPCT), focused on topics related to data science and society, statistics, bioinformatics

and machine learning. The workshop offered PhD students, in particular, the opportunity to present their research as a "work in progress". Participants also discussed various networking opportunities in research and teaching to intensify cooperation in the framework of EUT+. The scientists came from EUT+ partner universities in Cartagena, Darmstadt, Dublin and Cassino. The UPCT is a member of the Triptolemos Foundation.



- **Agriculture, once again present in the Summer Courses of the University of Almería**



On July 1, a very special edition of the Summer Courses of the University of Almería, a member of the Triptolemos Foundation, will start, as they celebrate their 25th edition and will celebrate their silver anniversary with 26 courses spread over twelve venues throughout the province. "After 25 years, we can say without mistake that our courses have become a benchmark in the summer offer of university courses.

They are a hallmark of the University of Almería as an institution of higher education. We take care of the selection and topical topicality, the quality and relevance of the speakers, and, no less important, we also take care of the attention to the attendees of our courses," said the rector of the UAL, José J. Céspedes Lorente, in the presentation of this edition. Among the courses, three of them have agriculture in their thematic core, two of them at the headquarters in Almería and one, also related to gastronomy, in Dalías (Spain).

- **The General Directorate of the Inter-American Institute for Cooperation on Agriculture (IICA) visits the University of Córdoba**



The University of Córdoba (Spain), represented by its rector Manuel Torralbo, received the General Manager of IICA, Manuel Otero. The visit aimed to strengthen cooperation ties with strategic partners in Andalusia, including the signing of cooperation agreements with ceiA3 and the Innovagro network; the meeting with IICA students and fellows of the UCO's Digital Agri master's degree and the meeting with the five

rectors of the universities of that community. The Triptolemos Foundation has a collaboration agreement with IICA and the UCO is a member of the Foundation, in addition to holding the presidency of the Network of Campuses of International Excellence with Agri-Food Activity of the Triptolemos Foundation (CEI AA Network).



- **Guide to University Training in Food Systems**

The Triptolemos Foundation has prepared the Guide to University Education in Food Systems, which contains an interactive map with more than 260 degrees, 327 postgraduate degrees, 425 master's degrees and 375 doctorates offered by the 25 Spanish universities that are members of the Foundation and the Spanish National Research Council (CSIC). Talent is key to achieving the balanced and sustainable development of the food system. The guide pursues a triple objective: to help students in the search for their most appropriate training choice, to bring new degrees and the panorama of higher university level training closer to the employer for their knowledge and to give maximum dissemination to the training offer of the member universities of the Triptolemos Foundation.



With its international projection, the Triptolemos Foundation has among its members companies, universities, consumer organizations, food banks, the Spanish National Research Council and is open to any organization that shares its objectives and its vision of the food system, which defines four fundamental axes that must be in balance to achieve sustainable food systems.

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As a result of the collaboration agreement signed between APAE (Association of Agri-Food Journalists of Spain) and the Triptolemos Foundation, as a stable framework for actions between both institutions, which contribute to boosting and optimising the sustainability of food systems, the project "Interviews on the Food System" was launched. In this link you can find the interviews [here](#).

The interviewees present the contribution of their institution or company they represent to contribute to the sustainable development of food systems. APAE's main objective is to ensure the development of agri-food journalism in conditions of recognition and prestige and, in turn, to contribute to agri-food development. APAE exclusively represents and accredits its members before the International Federation of Agricultural Journalists. The association is part of the European Network of Agricultural Journalists, which brings together all the associations of agri-food journalists in the European Union. Latest videos:



## Educating and informing citizens

Triptolemos Foundation is aware that adequate food information is essential for social well-being, and that we live in an environment of growing uncertainties, dubious statements and unrigorous ideologies on social networks. **The need to train and strive to provide verified information endorsed by science to the citizen is evident, so that they can freely decide their best option.** In this sense, Triptolemos Foundation has several initiatives underway.

- **University Education in the Food System: a Competitiveness Factor**



The food sector is strategic and it has an important economic weight. Training is a commitment to the future and it is key to have good professionals for its development. Access to the **University Education** It is one of the best predictors of wealth in Western societies. Triptolemos Foundation for the Development of the Food System prepares the **Catalogue of university education in the food sector**, which classifies by geographical area the training offer of the main Spanish universities into bachelor's, master's, doctorate and postgraduate degrees. This **Interactive map in the link** aims to provide

the information provided by the Member universities of the Triptolemos Foundation in the specific area of the food system.

## University training in the Food System: some outstanding courses

- University of Castilla – La Mancha  
[Master's Degree in Innovation and Development of Quality Foods](#)
- Universitat de Barcelona – CETT  
[Master's Degree in Sustainable Gastronomy](#)
- Universitat Politècnica de Catalunya- Barcelona Tech  
[Master's Degree in Sustainability Science and Technology](#)
- University of Lleida:  
[Master's Degree in Innovation in the Food Industry](#)
- National University of Distance Learning (UNED):  
[Sustainable Food System.](#)  
[Agroecology and organic food: effects on health and the environment.](#)  
[Agri-food: toxic substances in agricultural products.](#)
- Complutense University of Madrid (UCM):  
[Master's Degree in Nutrition and Culinary Dietetics in Gastronomy](#)
- Open University of Catalonia (UOC):  
Postgraduate in Food Systems
- Polytechnic University of Valencia (Erasmus+):  
[European master degree in plant health in sustainable cropping systems](#)
- Rovira i Virgili University, University of Lleida, Polytechnic University of Catalonia and University of Girona: [Interuniversity Master's Degree in Agronomic Engineering](#)

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